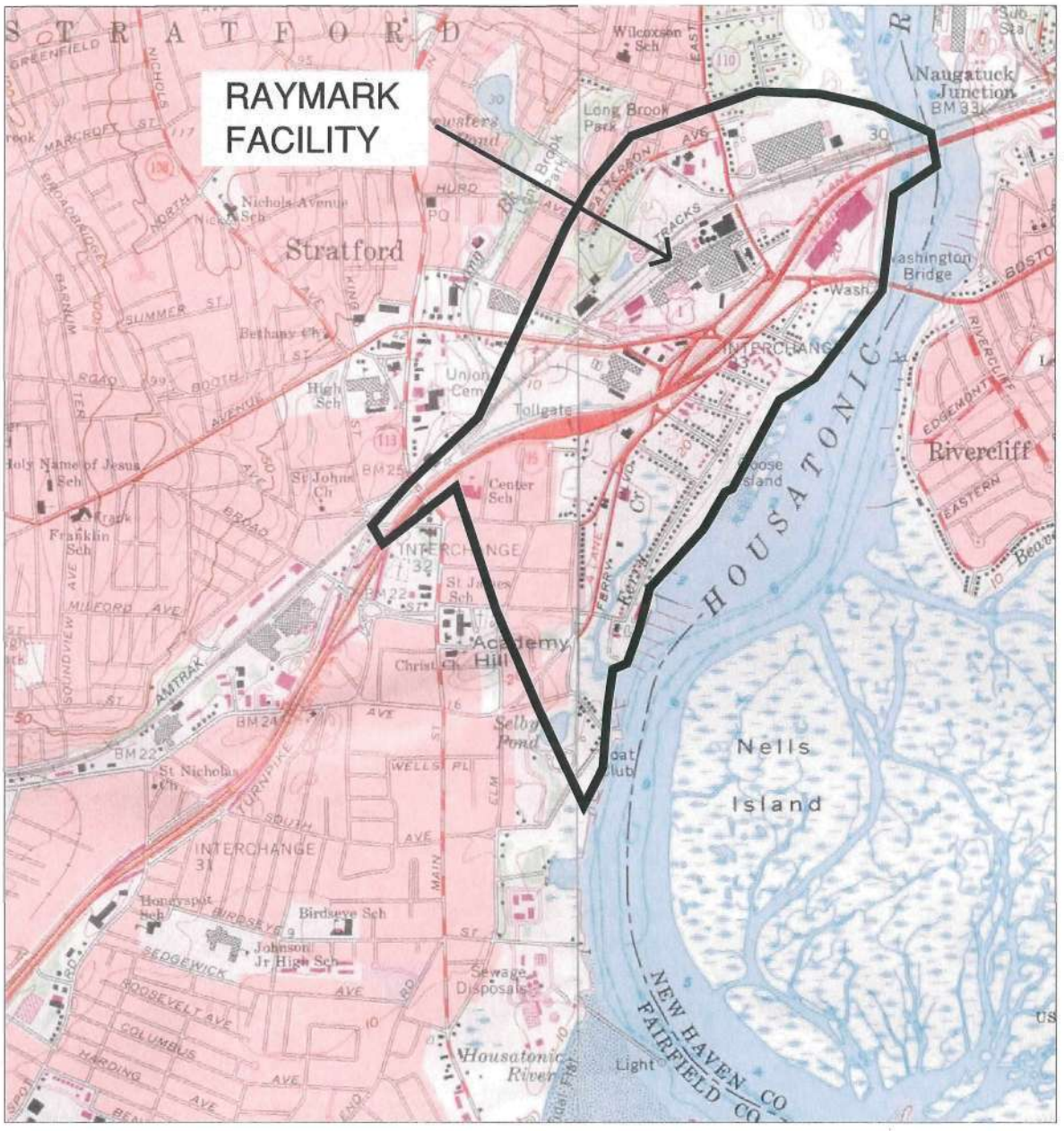
FIGURES

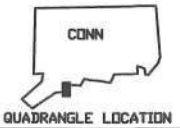


BASEMAP: PORTIONS OF THE FOLLOWING U.S.G.S. QUADRANGLE MAPS: BRIDGEPORT, CONN., 1970 (PHOTOREVISED: 1984) AND MILFORD, CONN., 1960 (PHOTOREVISED: 1984), SCALE ALTERED FOR CLARITY

OUTLINE OF OU2 GROUNDWATER STUDY AREA

0 1/2 1 MILE

1000 0 1000 2000 3000 4000 5000 FEET



QUADRANGLE LOCATION

SITE LOCUS

RAYMARK – OU2 – GROUNDWATER

STRATFORD, CONNECTICUT

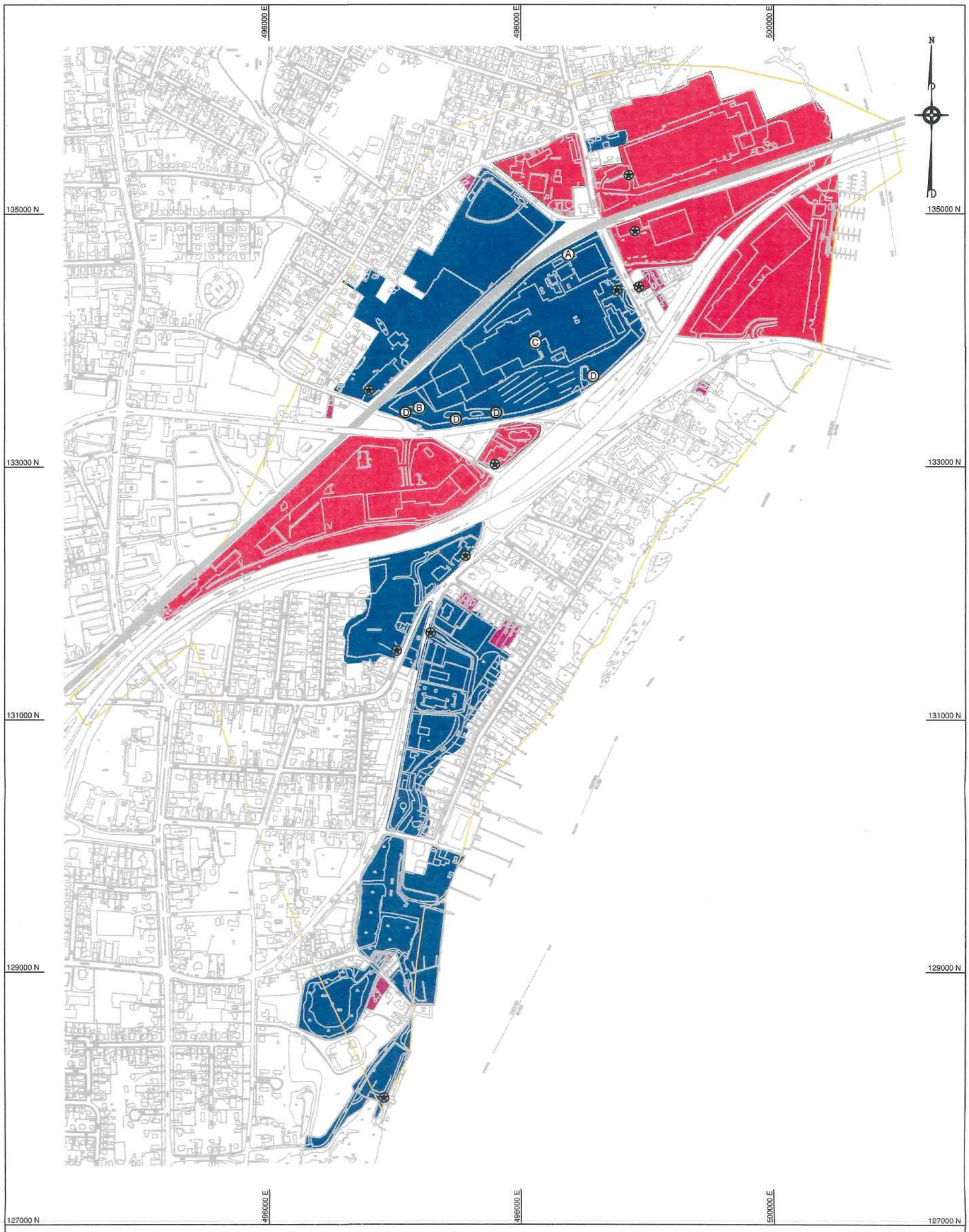
DRAWN BY:	D.W. MACDOUGALL	REV.:	0
PROJECT MANAGER:	H.M. FORD	DATE:	NOVEMBER 23, 2004
SCALE:	AS SHOWN	ACAD NAME:	DWG\4236\0900\USGS.DWG

FIGURE 1–1

TETRA TECH NUS, INC.

55 Jonspin Road Wilmington, MA 01887

(978)658–7899



NOTES:

1. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
2. PLAN NOT TO BE USED FOR DESIGN.
3. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHS.

LEGEND

- OU2 STUDY AREA OUTLINE
- REMOVAL ACTIONS
- STUDY AREAS (OU1, OU3, OU4, OU5, OU6)
- AREAS OF POTENTIAL CONTAMINATION LOCATED WITHIN OU2 STUDY AREA
- RCRA FACILITIES (BASED ON EPA LIST)

POTENTIAL SOURCES AT THE RAYMARK FACILITY

- (A) TOLUENE SPILL
- (B) ACID NEUTRALIZATION PITS
- (C) 1,1,1–TRICHLOROETHANE SPILL
- (D) LAGOONS

GRAPHIC SCALE

0′ 800′ 1600′

STUDY AREA POTENTIAL GROUNDWATER SOURCES

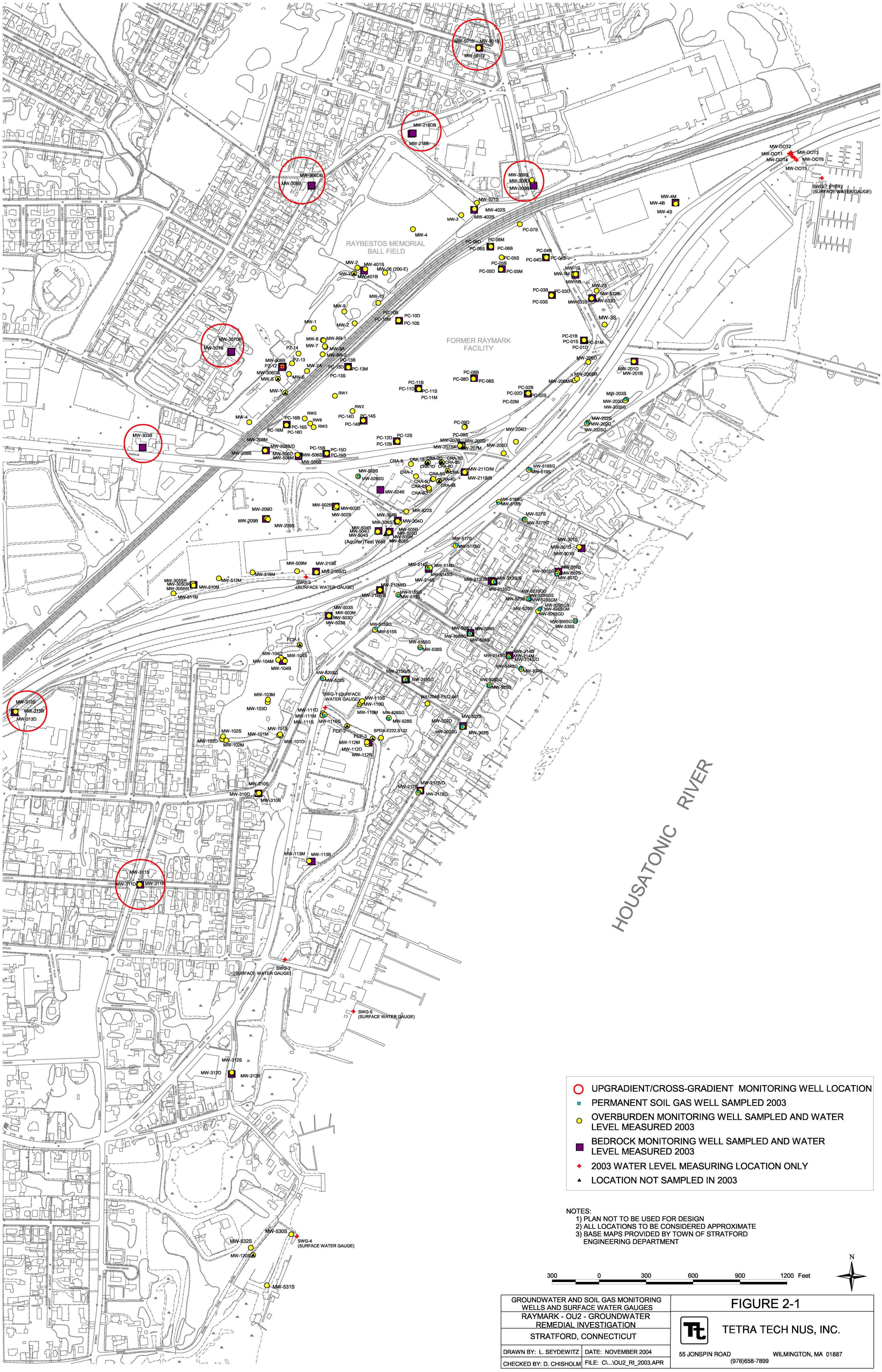
RAYMARK – OU2 – GROUNDWATER

STRATFORD, CONNECTICUT

DRAWN BY:	D.W. MACDOUGALL	REV.:	0
CHECKED BY:	D. CHISHOLM	DATE:	NOVEMBER 23, 2004
SCALE:	AS NOTED	FILE NO.:	DWG\4236\0900\GWSOURCE.DWG

FIGURE 1–2

TETRA TECH NUS, INC.
55 Jonspin Road Wilmington, MA 01887
(978)658–7899



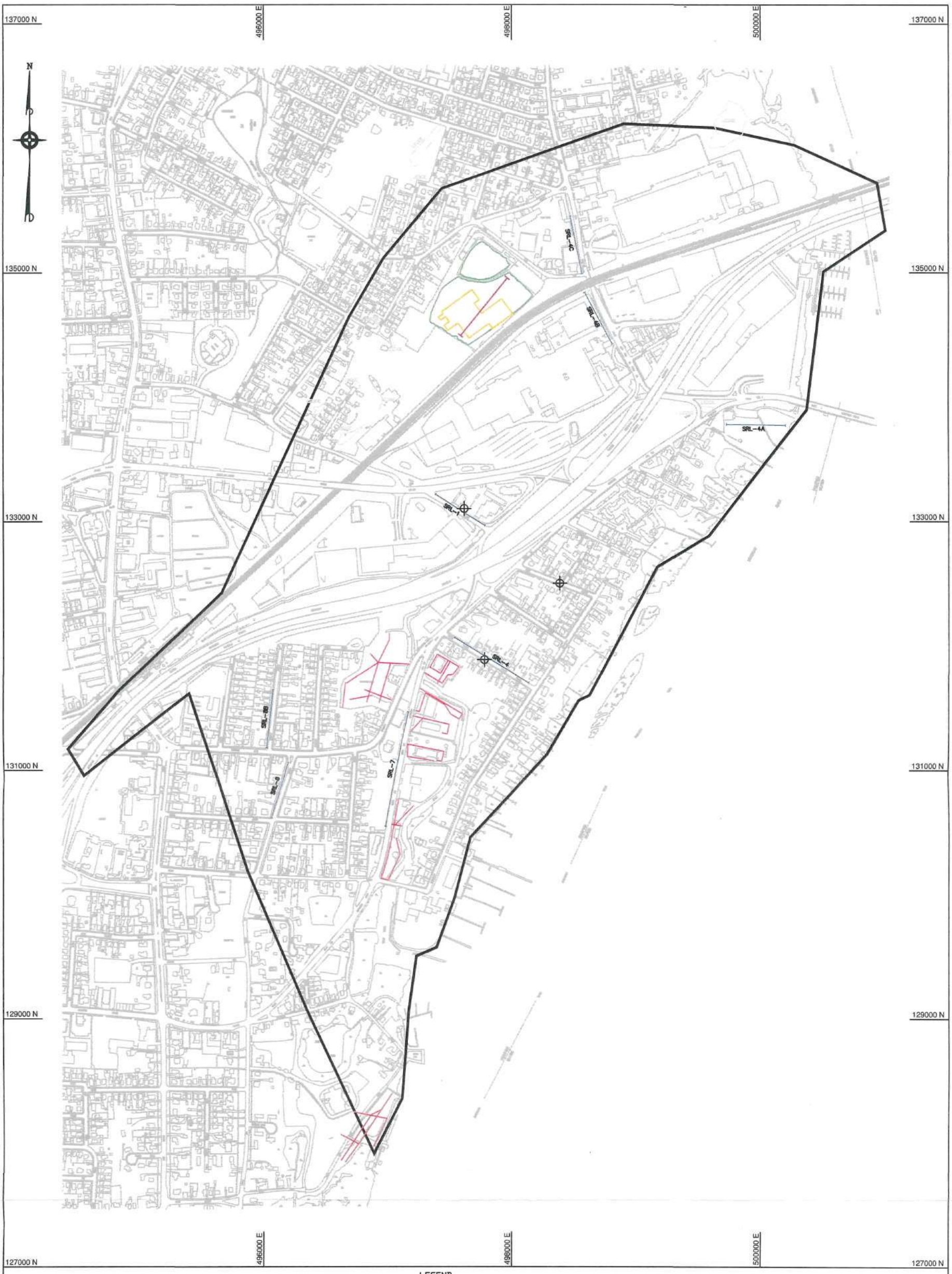
- UPGRADIENT/CROSS-GRADIENT MONITORING WELL LOCATION
- PERMANENT SOIL GAS WELL SAMPLED 2003
- OVERBURDEN MONITORING WELL SAMPLED AND WATER LEVEL MEASURED 2003
- BEDROCK MONITORING WELL SAMPLED AND WATER LEVEL MEASURED 2003
- 2003 WATER LEVEL MEASURING LOCATION ONLY
- LOCATION NOT SAMPLED IN 2003

NOTES:
1) PLAN NOT TO BE USED FOR DESIGN
2) ALL LOCATIONS TO BE CONSIDERED APPROXIMATE
3) BASE MAPS PROVIDED BY TOWN OF STRATFORD ENGINEERING DEPARTMENT

300 0 300 600 900 1200 Feet

N

GROUNDWATER AND SOIL GAS MONITORING WELLS AND SURFACE WATER GAUGES	FIGURE 2-1
RAYMARK - OU2 - GROUNDWATER REMEDIAL INVESTIGATION	
STRATFORD, CONNECTICUT	
DRAWN BY: L. SEYDEWITZ / DATE: NOVEMBER 2004	TETRA TECH NUS, INC.
CHECKED BY: D. CHISHOLM / FILE: C\...\OU2_RI_2003.APR	55 JONSPIN ROAD WILMINGTON, MA 01887 (978)658-7899



NOTES:

1. ALL LOCTIONS TO BE CONSIDERED APPROXIMATE.
2. PLAN NOT TO BE USED FOR DESIGN.
3. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD-PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA-HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT-GIS; AND EPIC AERIAL PHOTOGRAPHY.

LEGEND

- SRL-4 — SEISMIC REFRACTION LINES
- APPROXIMATE AREA OF ELECTROMAGNETIC SURVEY
- GPR TRAVERSE BOUNDARY
- OU2 GROUNDWATER STUDY AREA
- GROUND PENETRATING RADAR SURVEY LINES
- RESISTIVITY SURVEY
- BOREHOLE GEOPHYSICAL SURVEY

GRAPHIC SCALE

0' 800' 1600'

GEOPHYSICAL SURVEYS

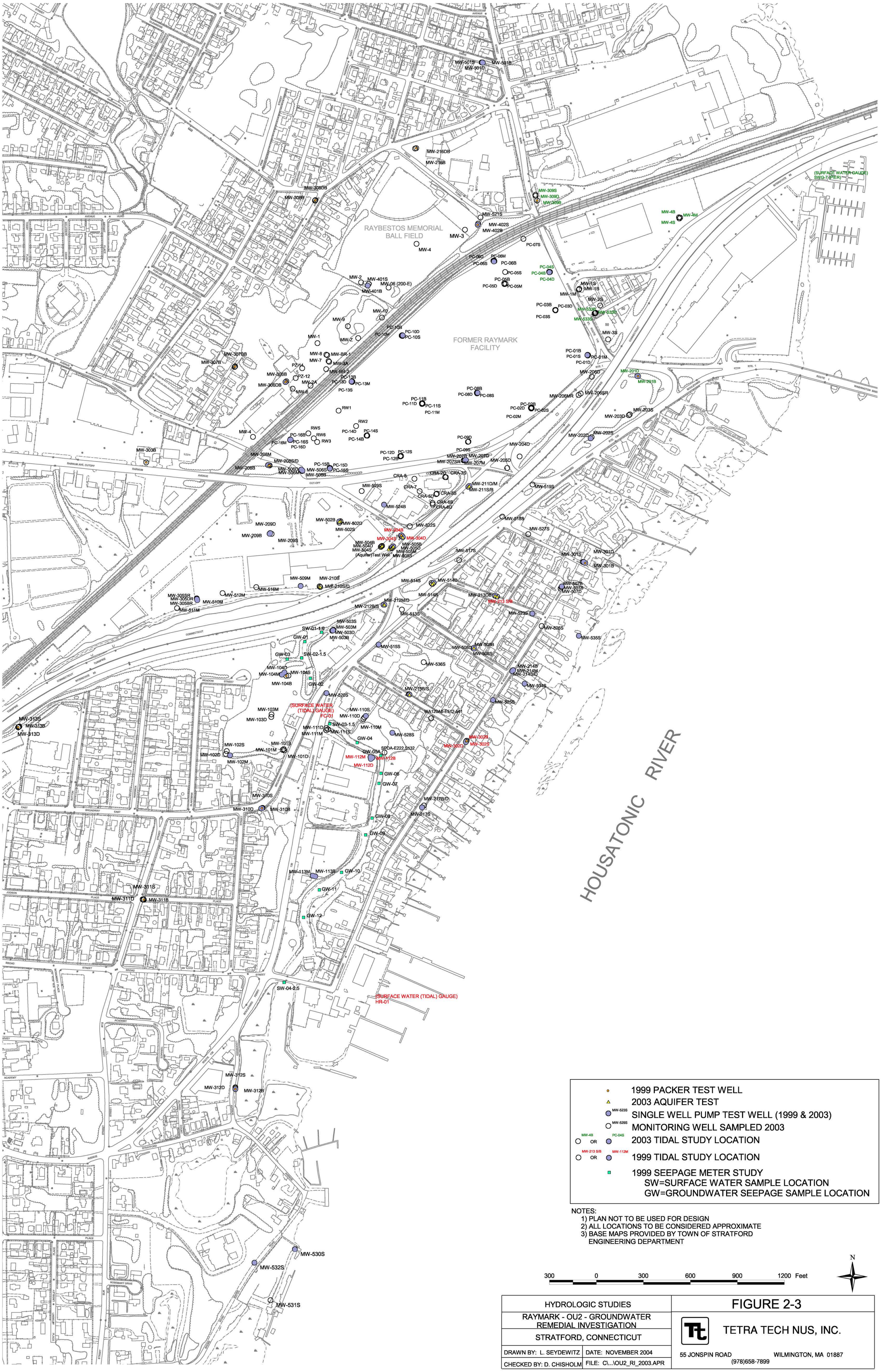
RAYMARK – OU2 – GROUNDWATER

STRATFORD, CONNECTICUT

FIGURE 2-2

DRAWN BY:	D.W. MACDOUGALL	REV.:	0
CHECKED BY:	D. CHISHOLM	DATE:	NOVEMBER 23, 2004
SCALE:	AS NOTED	FILE NO.:	DWG\4236\0900\GEOPHYS.DWG

TETRA TECH NUS, INC.
55 Jonspin Road Wilmington, MA 01887
(978)658-7899



NOTES:
1) PLAN NOT TO BE USED FOR DESIGN
2) ALL LOCATIONS TO BE CONSIDERED APPROXIMATE
3) BASE MAPS PROVIDED BY TOWN OF STRATFORD ENGINEERING DEPARTMENT

300 0 300 600 900 1200 Feet

N

HYDROLOGIC STUDIES	FIGURE 2-3
RAYMARK - OU2 - GROUNDWATER REMEDIAL INVESTIGATION	
STRATFORD, CONNECTICUT	TETRA TECH NUS, INC.
DRAWN BY: L. SEYDEWITZ — DATE: NOVEMBER 2004	55 JONSPIN ROAD WILMINGTON, MA 01887 (978)658-7899
CHECKED BY: D. CHISHOLM — FILE: C\...\OU2_RI_2003.APR	

RAYBESTOS MEMORIAL BALL FIELD

FORMER RAYMARK FACILITY

110

GW/SG40

SIDNEY STREET

GW/SG65

BARNUM AVENUE CUTOFF

GW/SG91

GW/SG90

SG218

SG206

SG219

SG225

SG220

SG224

INTERSTATE 95

SG214

SG212

SG209

GW/SG41

GW/SG22

GW/SG43

BLAKEMAN PLACE

EAST BROADWAY

FERRY BOULEVARD

MW-310/SG120

SG204

SG203

WHITE STREET

GW/SG99

GW/SG04

GW/SG01

GW/SG93

RIVERVIEW PLACE

GW/SG13

GW/SG92

GW/SG07

GW/SG06

P-1

MINOR AVENUE

GW/SG02

GW/SG03

SG23

GW/SG09

GW/SG10

P-2

GW/SG08

GW/SG05

GW/SG96

SG222

SG12

SG106

SG121

SG125

SG122

SG116

SG112

SG118

HOMESTEAD AVENUE

SG223

SG117

SG124

SG109

SG105

SG115

GW/SG98

GW/SG66

WILLOW AVE

SG86

SG39

SG88

SG89

SG210

P-4

SG103

GW/SG42

SG104

SG114

GW/SG16

SG101

SG113

SG102

SG19

SG111

GW/SG15

SG82

GW/SG97

SG110

SG87

SG108

SG85

P-3

SG17

SG119

SG107

GW/SG18

GW/SG20

GW/SG21

HOUSATONIC RIVER

GW/SG94

P-5

GW/SG95

HOUSATONIC AVENUE

- DIRECT PUSH SOIL GAS LOCATION SAMPLED 2002
- DIRECT PUSH GROUNDWATER LOCATION SAMPLED 2002
- CO-LOCATED PERMANENT MONITORING WELL LOCATION SAMPLED 2002
- AIR PERMEABILITY TEST LOCATION

NOTES:
1) PLAN NOT TO BE USED FOR DESIGN
2) ALL LOCATIONS TO BE CONSIDERED APPROXIMATE
3) BASE MAPS PROVIDED BY TOWN OF STRATFORD ENGINEERING DEPARTMENT

200 0 200 400 600 800 Feet

N

2002 DIRECT PUSH SOIL GAS AND GROUNDWATER LOCATIONS	FIGURE 2-4
RAYMARK - OU2 - GROUNDWATER REMEDIAL INVESTIGATION	
STRATFORD, CONNECTICUT	TETRA TECH NUS, INC.
DRAWN BY: L. SEYDEWITZ / DATE: NOVEMBER 2004	55 JONSPIN ROAD WILMINGTON, MA 01887
CHECKED BY: D. CHISHOLM / FILE: C\...\OU2_RI_2003.APR	(978)658-7899

NF DRESSER INDUSTRIES

NF DPW GARAGE

NF MEMORIAL BALLFIELD OU4

NF "THE DOCK" RETAIL CENTER

NF "THE DOCK" SHOPPING CENTER

NF CONTRACT PLATING

NF RAYMARK FACILITY SITE

NF SYNTHETIC PRODUCTS

NF TILO INDUSTRIES

NF MORGAN FRANCIS PROPERTY

NF SPADA PROPERTY

NF DELBUONO WETLANDS

NF HOUSATONIC BOAT CLUB

SELBY POND

HOUSATONIC RIVER

ISLAND

NELLS

LEGEND

- SURFACE WATER
- GRASS AND VEGETATION
- WETLAND
- IMPERMEABLE OR LOW PERMEABILITY MATERIAL
- GRAVEL/DIRT

GRAPHIC SCALE

200′ 0′ 200′ 400′

NOTES:

1. BASE PLAN FROM AERIAL SURVEY PROVIDED BY TOWN OF STRATFORD, CONNECTICUT, PREPARED BY JAMES W. SEWALL COMPANY, OLD TOWNE, MAINE; FROM AERIAL PHOTOGRAPHS DATED : APRIL 8, 1994. ORIGINAL DRAWING IN NAD 83 FEET, NOVD 19929 CONVERTED TO NAD 27 FEET (FOR COMPATIBILITY WITH PREVIOUS DRAWINGS) USING THE GEOGRAPHIC CALCULATOR, VERSION 4.2, BY BLUE MARBLE GEOGRAPHIC.
2. LAND USE DELINEATIONS FROM MAPPING FEATURES AND REVISED BY IN-THE-FIELD OBSERVATIONS MADE IN 2003; LOCATIONS OF BOUNDARIES ARE TO BE CONSIDERED APPROXIMATIONS AND MAY HAVE CHANGED SINCE LAST OBSERVATIONS WERE MADE.
3. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
4. PLAN NOT TO BE USED FOR DESIGN.

DRAWN BY: D.W.M. / R.G.D.	TITLE: LAND USE & PHYSICAL FEATURES RAYMARK – OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT		TETRA TECH NUS, INC.
PREPARED BY: K. O'NEILL			
CHECKED BY: T. DORGAN			
	SOURCE: SEE NOTES		55 JONSPIN ROAD WILMINGTON, MASSACHUSETTS 01887 (978)658-7899
	SCALE: AS SHOWN	DATE: OCTOBER 29, 2004	PROJ. NO: 4236
PROJECT MANAGER: H. FORD	DRAWING NO: 3-1	ACFILE NAME: \DWG\4236\0900\LAND_USE.DWG	REV: 0
PROGRAM MANAGER: G. GARDNER			

137000 N

135000 N

133000 N

131000 N

129000 N

127000 N

496000 E

498000 E

500000 E

A

A'

B

B'

C

C'

MW-308B
SB-427
MW-401B
MW-10
PC-10B
MW-533B
PC-01B
PC-08B
PC-02B
MW-307DB
REGBR OC1
PC-16B
MW-202D
OUTCROP Q
PC-15B
MW-207D
MW-211B
MW-524B
SB-210 (OLD)
MW-304B
MW-514B
MW-212B
MW-503B
MW-508B
MW-111D
MW-302B
MW-113B
A3-SD09
A3-SD10
SP-SB6
SP-SB7
BS-SB8
B2-SB1
MW-312B

LEGEND

CROSS-SECTIONS

BEDROCK OUTCROP

PC-14B
B2-SB1

DATA POINTS USED IN CROSS-SECTIONS

MW-3102

GRAY SCALE DENOTES OU2 DATA POINTS NOT USED TO PREPARE CROSS-SECTIONS

NOTES:
1. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
2. PLAN NOT TO BE USED FOR DESIGN.
3. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD-PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA-HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT-GIS; AND EPIC AERIAL PHOTOGRAPHY.

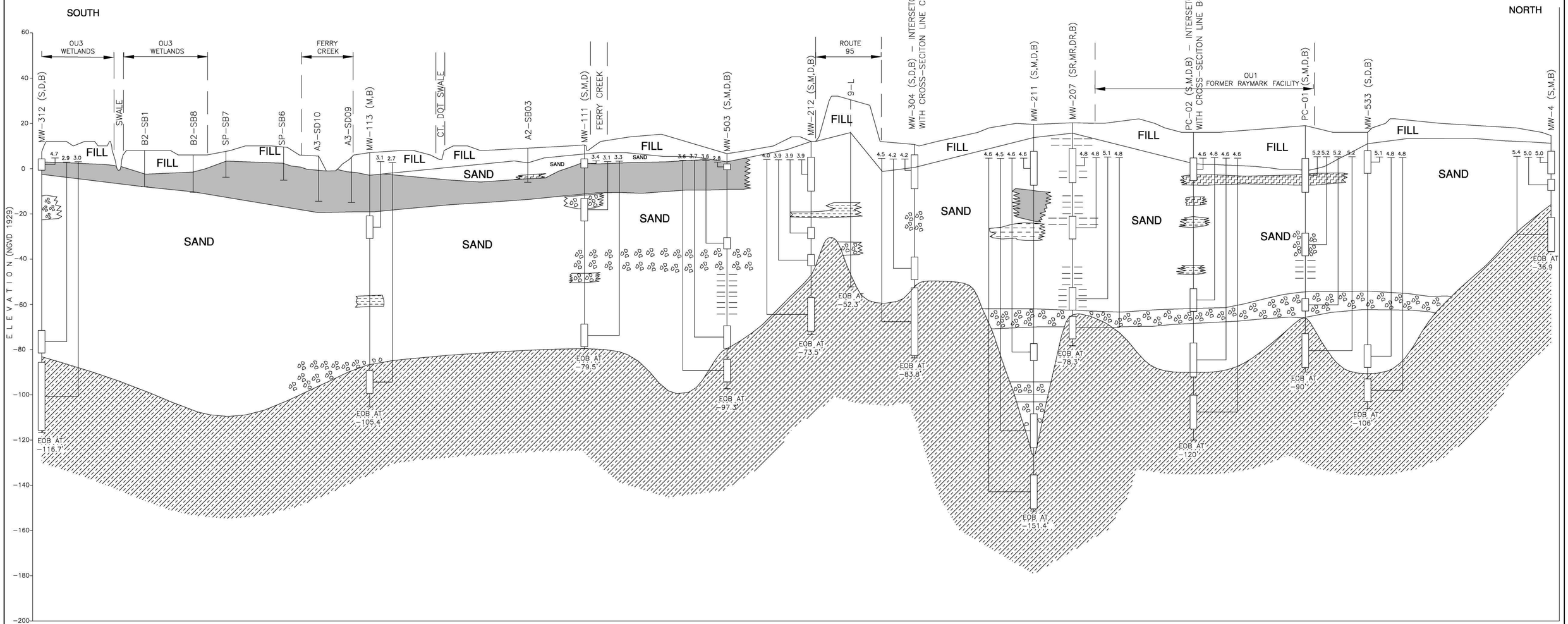
GRAPHIC SCALE

200' 0' 200' 400'

1 INCH = 200 FEET

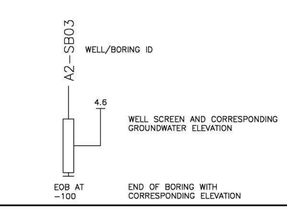
DRAWN BY: D.W. MACDOUGALL	TITLE: CROSS-SECTION LOCATIONS RAYMARK – OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT	TETRA TECH NUS, INC.
PREPARED BY: J. LAMBERT		55 JONSPIN ROAD
CHECKED BY: M. HEALEY		WILMINGTON, MASSACHUSETTS 01887
	SOURCE: SEE NOTE #3	(978)658-7899
	SCALE: 1" = 200' / DATE: NOVEMBER 8, 2004 / PROJ. NO: N4236	
PROJECT MANAGER: H. FORD	DRAWING NO: 3-2 / ACFILE NAME: DWG\4236\0600\LINES.DWG / REV: 0	
PROGRAM MANAGER: G. GARDNER		

GEOLOGIC CROSS-SECTION A - A'



LEGEND

- **FILL** — FILL CONSISTS OF MANUFACTURED OR CONSTRUCTION DEBRIS AND WASTE SLUDGE MIXED WITH NATURAL MATERIALS SUCH AS SILTY SAND, GRAVEL, OR TOPSOIL.
- PEAT — FORMER SWAMP & MARSH DEPOSITS PRIMARILY COMPOSED OF DECAYED PLANT MATERIAL AND SOME ORGANIC SILT, SAND, AND MUCK.
- ORGANIC SILT — ORGANIC SILT WITH TRACE TO SOME FIBROUS PARTIALLY DECAYED PLANT MATERIAL.
- SILT — SILT WITH SOME CLAY AND TRACE AMOUNTS OF FINE SAND. DISCONTINUOUS LAYERS OF SAND AND GRAVEL MAY ALSO OCCUR.
- **SAND** — FINE TO COARSE SAND WITH VARIOUS AMOUNTS OF SILT, CLAY, AND GRAVEL, AND LENSES OF SILT AND CLAY. AREAS OF INTERMIXED SILTY SAND ARE DENOTED BY THE SYMBOL −−−. SAND WITH GREATER THAN 20 PERCENT GRAVEL IS DENOTED BY GRAVEL SYMBOL .
- GRAVEL — FINE TO COARSE GRAVEL WITH VARYING AMOUNTS OF SAND, SILT, CLAY AND BOULDERS.
- BEDROCK — A MEDIUM TO FINE−GRAINED, THINLY LAMINATED, GREENISH−GRAY TO MEDIUM DARK GRAY CHLORITIC MUSCOVITE SCHIST WITH FINE TO MEDIUM GRAINED GRANOFELS COMPOSED PRIMARILY OF QUARTZ AND FELDSPAR.

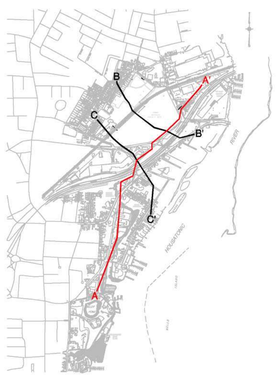


GRAPHIC SCALE

0′ 20′ — VERTICAL

0′ 200′ — HORIZONTAL

A − A'
TITLE: MAP VIEW



NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN TEST BORINGS. THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. INFORMATION ON SUBSURFACE CONDITIONS EXIST ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE SUBSURFACE CONDITIONS MAY VARY FROM THOSE INDICATED.

2. GROUNDWATER ELEVATIONS ARE ROUNDED TO THE NEAREST TENTH. GROUNDWATER ELEVATIONS ARE FROM ROUND SEVEN OF GROUNDWATER LEVEL MEASUREMENTS TAKEN ON 04/15/03, UNLESS OTHERWISE NOTED.

3. WELLS AT EACH CLUSTER WERE INSTALLED IN SEPARATE BOREHOLES. WELLS ARE INDICATED BY MULTIPLE SCREENS ON ONE AXIS FOR CLARITY. WIDTH OF WELL SCREENS ARE NOT TO SCALE.

4. MONITORING WELL DESCRIPTION: S=SHALLOW, M=INTERMEDIATE OVERBURDEN, D=DEEP OVERBURDEN, B=BEDROCK, R = REPLACEMENT WELL. MONITORING WELL DESIGNATION PC DENOTES POST CLOSURE WELL FOR OU1, MW DENOTES MONITORING WELL INSTALLED FOR OU2. SOIL BORINGS ADVANCED FOR OTHER OPERABLE UNITS ARE DENOTED B2, SP, A3, AND A2.

5. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD−PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA−HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT−GIS; AND EPIC AERIAL PHOTOGRAPHY.

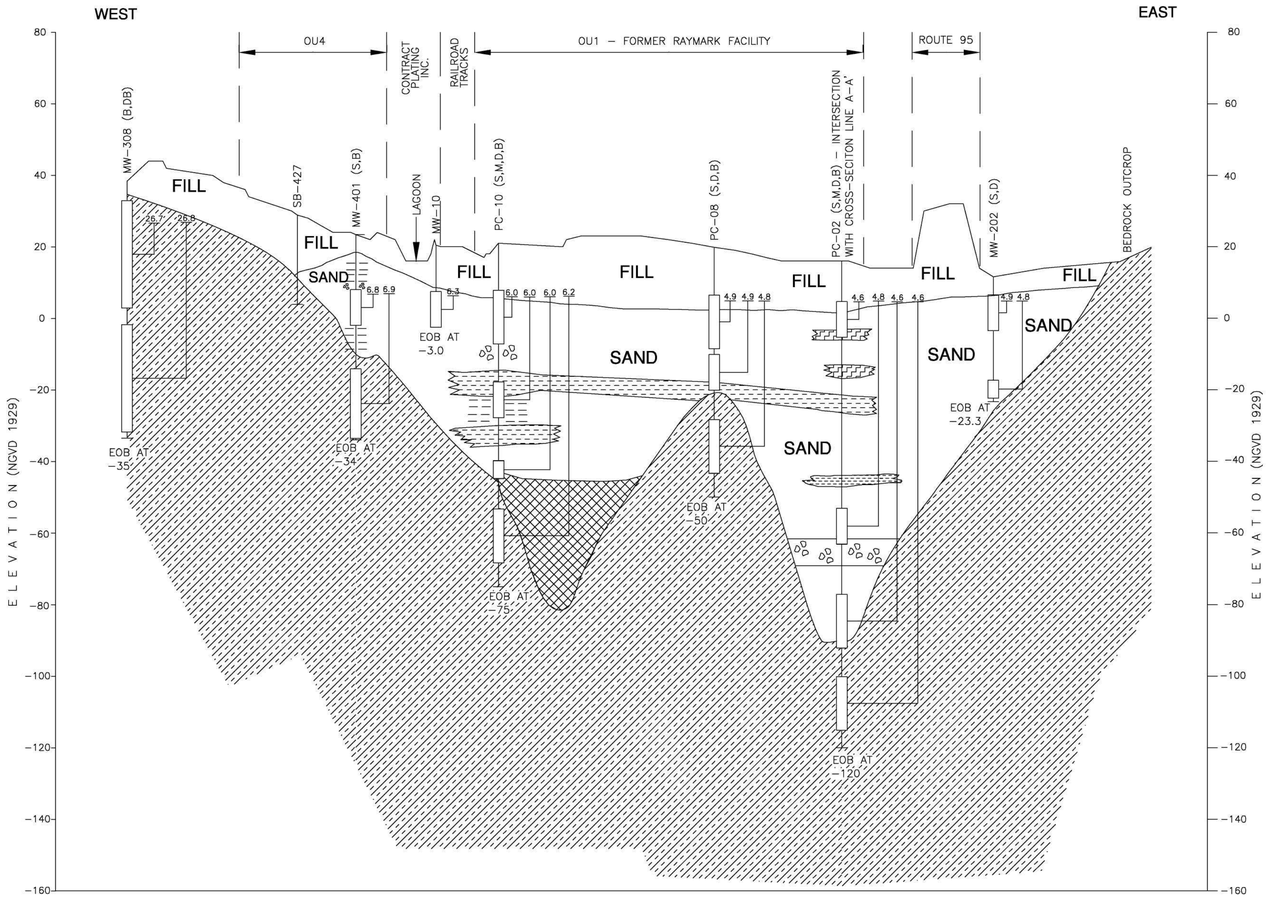
6. TOPOGRAPHY WITHIN FERRY CREEK CHANNEL NOT SURVEYED.

7. NOT FOR DESIGN.

8. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.

DRAWN BY: D.W. MACDOUGALL	TITLE: GEOLOGIC CROSS−SECTION A−A' RAYMARK − OU2 − GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT		TETRA TECH NUS, INC.
PREPARED BY: J. LAMBERT			
CHECKED BY: M.HEALEY			55 JONSPIN ROAD
	SOURCE: REFER TO NOTE 5		WILMINGTON, MASSACHUSETTS 01887
	SCALE: AS SHOWN / DATE: NOVEMBER 8, 2004 / PROJ. NO: N4236		(978)658−7899
PROJECT MANAGER: H.M. FORD	DRAWING NO: 3−3 / ACFILE NAME: DWG\4236\0600\A−A'.DWG	REV: 0	
PROGRAM MANAGER: G.D. GARDNER			

GEOLOGIC
CROSS-SECTION B - B'

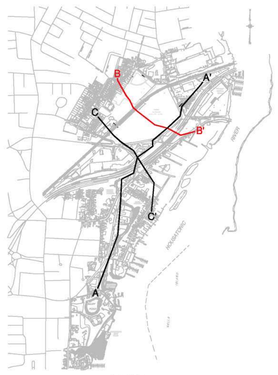


GRAPHIC SCALE

0′ 20′ — VERTICAL

0′ 200′ — HORIZONTAL

B – B'
TITLE: MAP VIEW



LEGEND

FILL — FILL – FILL CONSISTS OF MANUFACTURED OR CONSTRUCTION DEBRIS AND WASTE SLUDGE MIXED WITH NATURAL MATERIALS SUCH AS SILTY SAND, GRAVEL, OR TOPSOIL.

PEAT – FORMER SWAMP & MARSH DEPOSITS PRIMARILY COMPOSED OF DECAYED PLANT MATERIAL AND SOME ORGANIC SILT, SAND, AND MUCK.

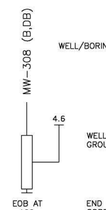
TILL – FINE TO COARSE GRAVEL IN A DENSE MATRIX OF CLAY, SILT, AND SAND.

SILT – SILT WITH SOME CLAY AND TRACE AMOUNTS OF FINE SAND. DISCONTINUOUS LAYERS OF SAND AND GRAVEL MAY ALSO OCCUR.

SAND — SAND – FINE TO COARSE SAND WITH VARIOUS AMOUNTS OF SILT, CLAY, AND GRAVEL, AND LENSES OF SILT AND CLAY. AREAS OF INTERMIXED SILTY SAND ARE DENOTED BY THE SYMBOL ~~~. SAND WITH GREATER THAN 20 PERCENT GRAVEL IS DENOTED BY GRAVEL SYMBOL .

GRAVEL – FINE TO COARSE GRAVEL WITH VARYING AMOUNTS OF SAND, SILT, CLAY AND BOULDERS.

BEDROCK – A MEDIUM TO FINE–GRAINED, THINLY LAMINATED, GREENISH–GRAY TO MEDIUM DARK GRAY CHLORITIC MUSCOVITE SCHIST WITH FINE TO MEDIUM GRAINED GRANOFELS COMPOSED PRIMARILY OF QUARTZ AND FELDSPAR.



WELL/BORING ID

WELL SCREEN AND CORRESPONDING GROUNDWATER ELEVATION

END OF BORING WITH CORRESPONDING ELEVATION

NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN TEST BORINGS. THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. INFORMATION ON SUBSURFACE CONDITIONS EXIST ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE SUBSURFACE CONDITIONS MAY VARY FROM THOSE INDICATED.

2. GROUNDWATER ELEVATIONS ARE ROUNDED TO THE NEAREST TENTH. GROUNDWATER ELEVATIONS ARE FROM ROUND SEVEN OF GROUNDWATER LEVEL MEASUREMENTS TAKEN ON 4/15/03, UNLESS OTHERWISE NOTED.

3. WELLS AT EACH CLUSTER WERE INSTALLED IN SEPARATE BOREHOLES. WELLS ARE INDICATED BY MULTIPLE SCREENS ON ONE AXIS FOR CLARITY. WIDTH OF WELL SCREENS ARE NOT TO SCALE.

4. MONITORING WELL DESCRIPTION: S=SHALLOW, M=INTERMEDIATE OVERBURDEN, D=DEEP OVERBURDEN, B=BEDROCK, DB=DEEP BEDROCK. MONITORING WELL DESIGNATION PC DENOTES POST CLOSURE WELL FOR OU1, MW DENOTES MONITORING WELL INSTALLED FOR OU2. SOIL BORING ADVANCED FOR ANOTHER OPERABLE UNITS IS DENOTED AS SB.

5. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHY.

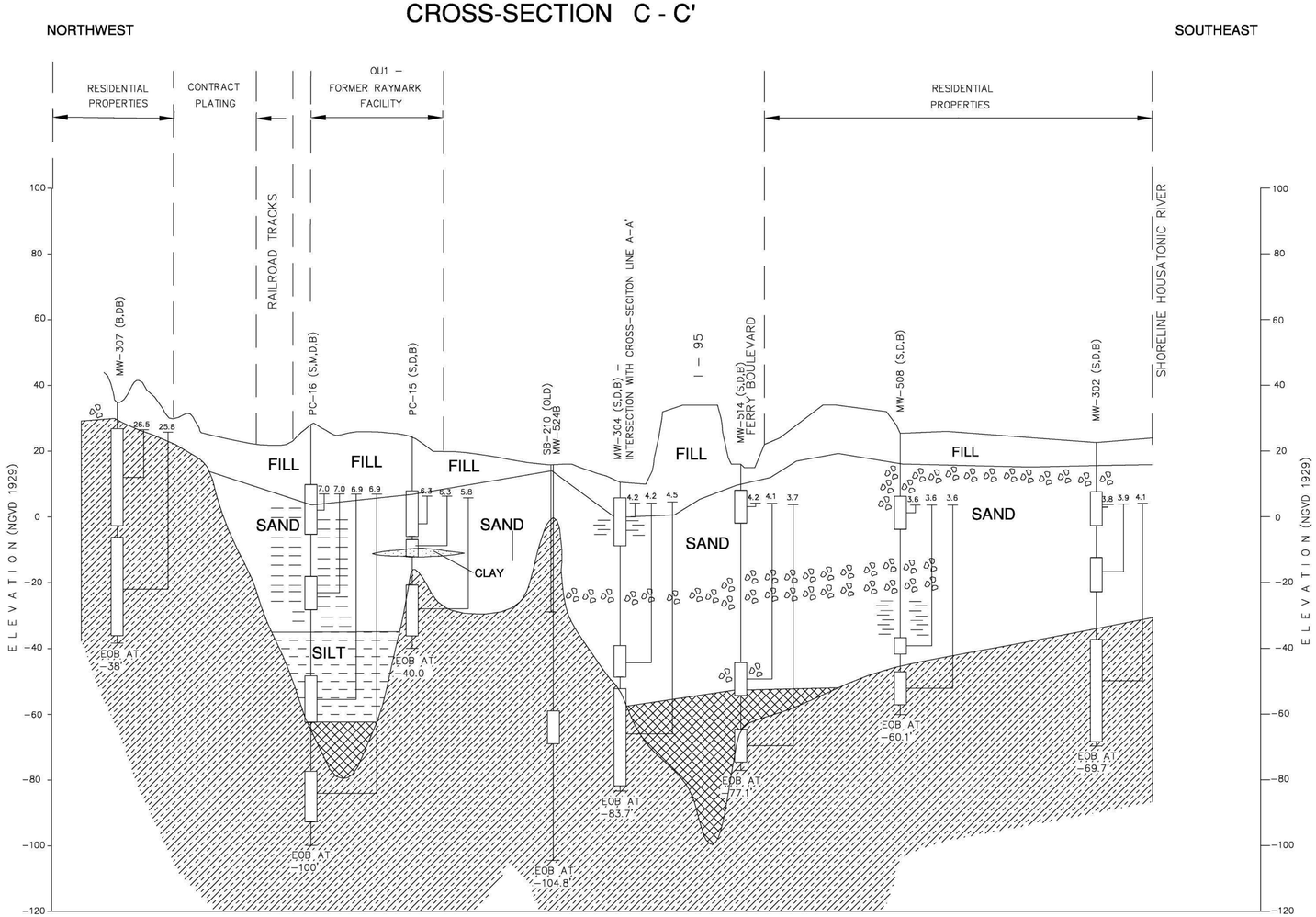
6. NOT FOR DESIGN.

7. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.

DRAWN BY: D.W. MACDOUGALL	TITLE: GEOLOGIC CROSS–SECTION B–B' RAYMARK – OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT		
PREPARED BY: J. LAMBERT			
CHECKED BY: M.HEALEY	SOURCE: REFER TO NOTE 5		
	SCALE: AS SHOWN	DATE: NOVEMBER 5, 2004	PROJ. NO: N4236
PROJECT MANAGER: H.M. FORD	DRAWING NO: 3–4	ACFILE NAME: DWG\4236\0600\B–B'.DWG	REV: 0
PROGRAM MANAGER: G.D. GARDNER			

TETRA TECH NUS, INC.
55 JONSPIN ROAD
WILMINGTON, MASSACHUSETTS 01887
(978)658–7899

GEOLOGIC CROSS-SECTION C - C'



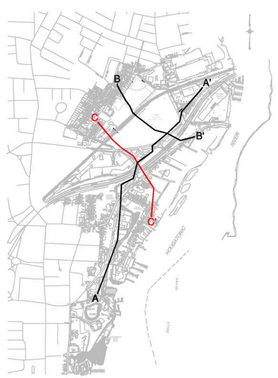
GRAPHIC SCALE

0′ 20′ — VERTICAL

0′ 200′ — HORIZONTAL

C – C'

TITLE: MAP VIEW



LEGEND

- **FILL** — FILL CONSISTS OF MANUFACTURED OR CONSTRUCTION DEBRIS AND WASTE SLUDGE MIXED WITH NATURAL MATERIALS SUCH AS SILTY SAND, GRAVEL, OR TOPSOIL.
- TILL — FINE TO COARSE GRAVEL IN A DENSE MATRIX OF CLAY, SILT, AND SAND.
- CLAY — CLAY INTERBEDDED WITH SILT AND SAND.
- SILT — SILT WITH SOME CLAY AND TRACE AMOUNTS OF FINE SAND. DISCONTINUOUS LAYERS OF SAND AND GRAVEL MAY ALSO OCCUR.
- **SAND** — FINE TO COARSE SAND WITH VARIOUS AMOUNTS OF SILT, CLAY, AND GRAVEL, AND LENSES OF SILT AND CLAY; AREAS OF INTERMIXED SILTY SAND ARE DENOTED BY THE SYMBOL ----. SAND WITH GREATER THAN 20 PERCENT GRAVEL IS DENOTED BY GRAVEL SYMBOL .
- GRAVEL — FINE TO COARSE GRAVEL WITH VARYING AMOUNTS OF SAND, SILT, CLAY AND BOULDERS.
- BEDROCK — A MEDIUM TO FINE-GRAINED, THINLY LAMINATED, GREENISH-GRAY TO MEDIUM DARK GRAY CHLORITIC MUSCOVITE SCHIST WITH FINE TO MEDIUM GRAINED GRANOFELS COMPOSED PRIMARILY OF QUARTZ AND FELDSPAR.

MW–307 (B,DB) — WELL/BORING ID

4.6 — WELL SCREEN AND CORRESPONDING GROUNDWATER ELEVATION

EOB AT –100 — END OF BORING WITH CORRESPONDING ELEVATION

NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA WERE GENERALIZED FROM AND INTERPOLATED BETWEEN TEST BORINGS. THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. INFORMATION ON SUBSURFACE CONDITIONS EXIST ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE SUBSURFACE CONDITIONS MAY VARY FROM THOSE INDICATED.

2. GROUNDWATER ELEVATIONS ARE ROUNDED TO THE NEAREST TENTH. GROUNDWATER ELEVATIONS ARE FROM ROUND SEVEN OF GROUNDWATER LEVEL MEASUREMENTS TAKEN ON 4/15/03, UNLESS OTHERWISE NOTED.

3. WELLS AT EACH CLUSTER WERE INSTALLED IN SEPARATE BOREHOLES. WELLS ARE INDICATED BY MULTIPLE SCREENS ON ONE AXIS FOR CLARITY. WIDTH OF WELL SCREENS ARE NOT TO SCALE.

4. MONITORING WELL DESCRIPTION: S=SHALLOW, M=INTERMEDIATE OVERBURDEN, D=DEEP OVERBURDEN, B=BEDROCK, DB=DEEP BEDROCK. MONITORING WELL DESIGNATION PC DENOTES POST CLOSURE WELL FOR OU1, MW DENOTES MONITORING WELL INSTALLED FOR OU2, AND SB DENOTES SOIL BORING NOT COMPLETED AS A WELL. SOIL BORING ADVANCED FOR ANOTHER OPERABLE UNIT IS DENOTED AS SB.

5. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHY.

6. NOT FOR DESIGN.

7. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.

DRAWN BY: D.W. MACDOUGALL	TITLE: GEOLOGIC CROSS–SECTION C–C' RAYMARK – OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT		
PREPARED BY: J. LAMBERT			
CHECKED BY: M.HEALEY	SOURCE: REFER TO NOTE 5		
	SCALE: AS SHOWN	DATE: NOVEMBER 8, 2004	PROJ. NO: N4236
PROJECT MANAGER: H.M. FORD	DRAWING NO: FIGURE 3–5	ACFILE NAME: DWG\4236\0900\C–C'.DWG	REV: 0
PROGRAM MANAGER: G.D. GARDNER			

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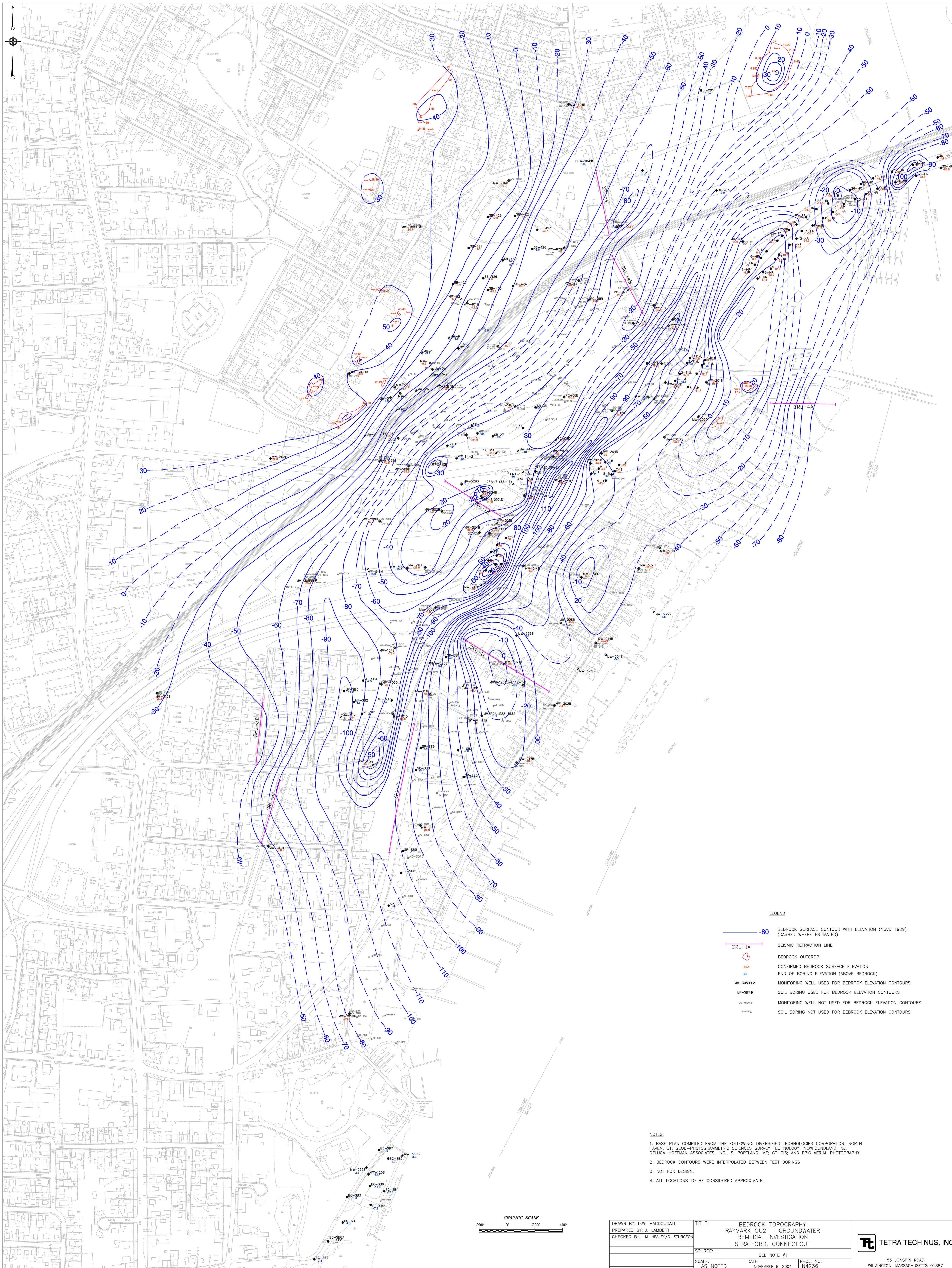


LEGEND

-80	BEDROCK SURFACE CONTOUR WITH ELEVATION (NGVD 1929) (DASHED WHERE ESTIMATED)
SRL-1A	SEISMIC REFRACTION LINE
	BEDROCK OUTCROP
-80.4	CONFIRMED BEDROCK SURFACE ELEVATION
-25	END OF BORING ELEVATION (ABOVE BEDROCK)
MW-305BR	MONITORING WELL USED FOR BEDROCK ELEVATION CONTOURS
MF-SB7	SOIL BORING USED FOR BEDROCK ELEVATION CONTOURS
MW-305SR	MONITORING WELL NOT USED FOR BEDROCK ELEVATION CONTOURS
A2-SB01	SOIL BORING NOT USED FOR BEDROCK ELEVATION CONTOURS

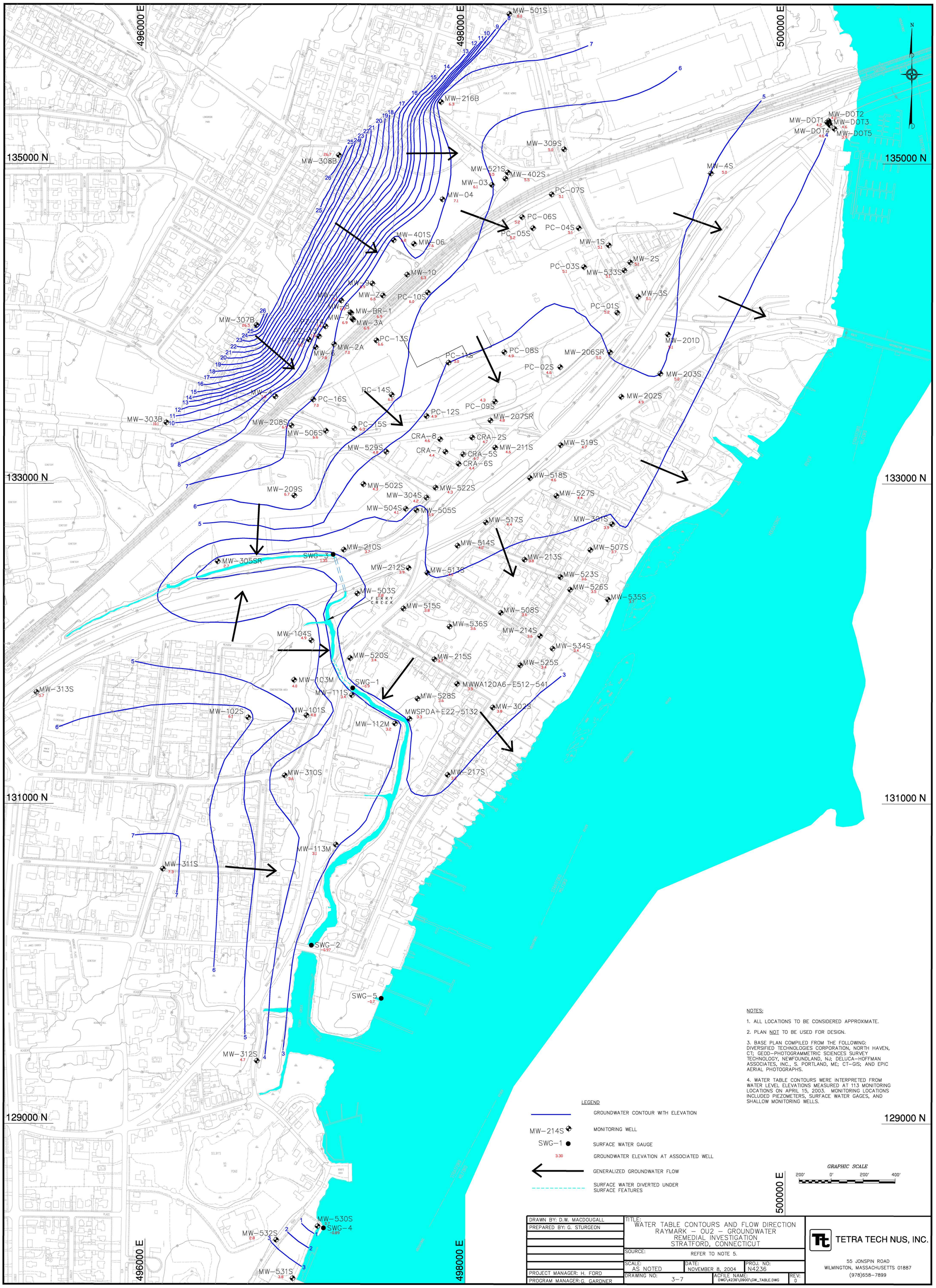
NOTES:

1. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHY.
2. BEDROCK CONTOURS WERE INTERPOLATED BETWEEN TEST BORINGS
3. NOT FOR DESIGN.
4. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.

GRAPHIC SCALE

200′ 0′ 200′ 400′

DRAWN BY: D.W. MACDOUGALL	TITLE: BEDROCK TOPOGRAPHY RAYMARK OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT			TETRA TECH NUS, INC.
PREPARED BY: J. LAMBERT				55 JONSPIN ROAD WILMINGTON, MASSACHUSETTS 01887 (978)658–7899
CHECKED BY: M. HEALEY/G. STURGEON				
	SOURCE: SEE NOTE #1			
	SCALE: AS NOTED	DATE: NOVEMBER 8, 2004	PROJ. NO: N4236	
PROJECT MANAGER: H. FORD	DRAWING NO: 3–6	ACFILE NAME: DWG\4236\0900\BEDROCK_1.DWG	REV: 0	
PROGRAM MANAGER: G. GARDNER				



NOTES:

1. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.
2. PLAN NOT TO BE USED FOR DESIGN.
3. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHS.
4. WATER TABLE CONTOURS WERE INTERPRETED FROM WATER LEVEL ELEVATIONS MEASURED AT 113 MONITORING LOCATIONS ON APRIL 15, 2003. MONITORING LOCATIONS INCLUDED PIEZOMETERS, SURFACE WATER GAGES, AND SHALLOW MONITORING WELLS.

LEGEND

- GROUNDWATER CONTOUR WITH ELEVATION
- MW–214S — MONITORING WELL
- SWG–1 — SURFACE WATER GAUGE
- 3.30 — GROUNDWATER ELEVATION AT ASSOCIATED WELL
- GENERALIZED GROUNDWATER FLOW
- SURFACE WATER DIVERTED UNDER SURFACE FEATURES

GRAPHIC SCALE
200′ 0′ 200′ 400′

DRAWN BY: D.W. MACDOUGALL	TITLE: WATER TABLE CONTOURS AND FLOW DIRECTION RAYMARK – OU2 – GROUNDWATER REMEDIAL INVESTIGATION STRATFORD, CONNECTICUT		
PREPARED BY: G. STURGEON	SOURCE: REFER TO NOTE 5.		
	SCALE: AS NOTED	DATE: NOVEMBER 8, 2004	PROJ. NO: N4236
PROJECT MANAGER: H. FORD	DRAWING NO: 3–7	ACFILE NAME: DWG\4236\0900\GW_TABLE.DWG	REV: 0
PROGRAM MANAGER: G. GARDNER			

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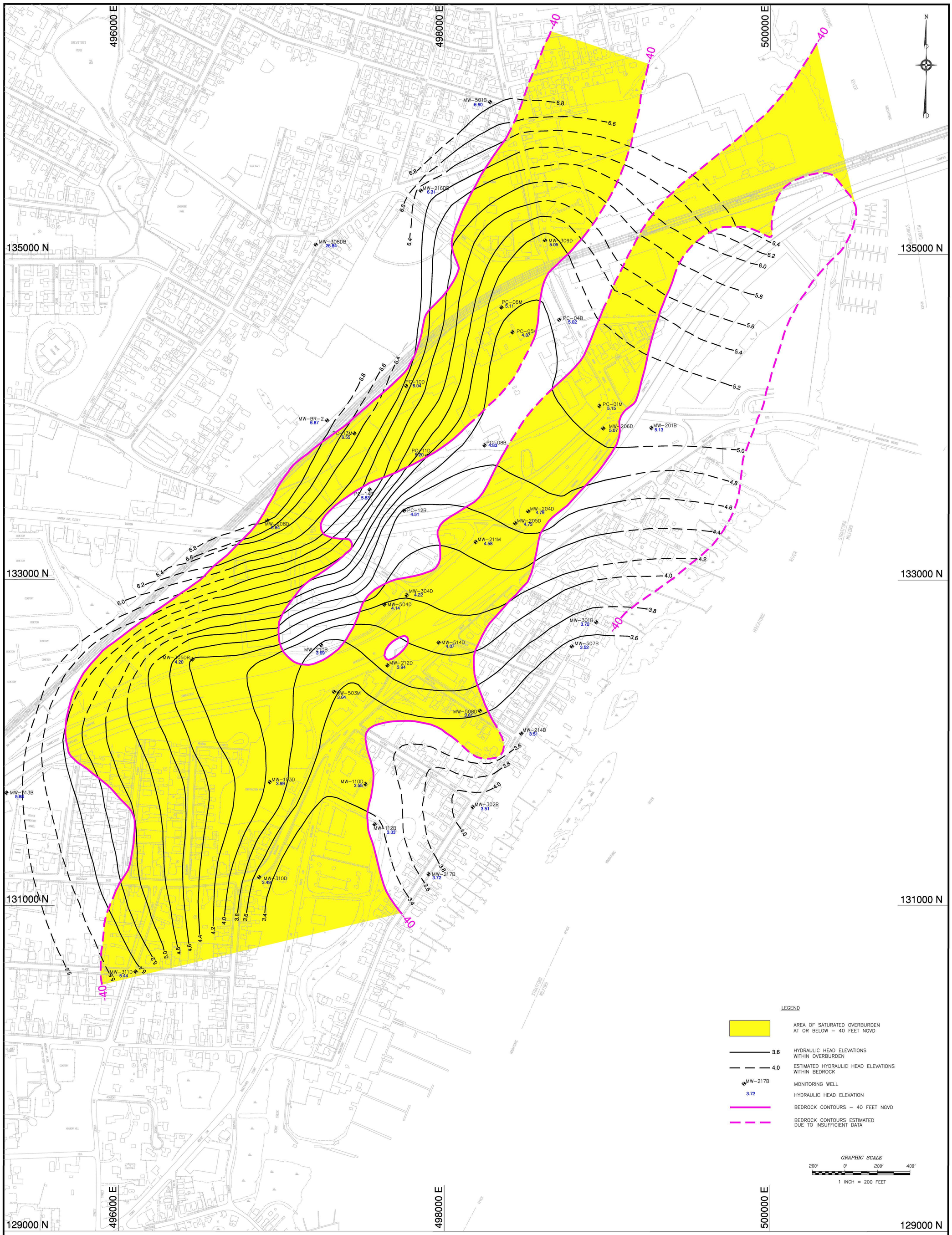

NOTES:

1. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.
2. PLAN NOT TO BE USED FOR DESIGN.
3. DATE OF WATER LEVEL MEASUREMENTS, 04/15/03.
4. OVERBURDEN GROUNDWATER HEADS AT APPROXIMATE ELEVATION –40 FEET NGVD SUPPLEMENTED WITH BEDROCK GROUNDWATER HEAD DATA FROM WELLS ADJACENT TO WELLS SCREENED AT APPROXIMATE –40 FEET NGVD.
5. BEDROCK CONTOURS FROM FIGURE 3–6.
6. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD–PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA–HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT–GIS; AND EPIC AERIAL PHOTOGRAPHS.

GRAPHIC SCALE
200' 0' 200' 400'
1 INCH = 200 FEET

DRAWN BY: D.W. MACDOUGALL
PREPARED BY: J. LAMBERT
CHECKED BY: G. STURGEON/M. HEALEY
PROJECT MANAGER: H. FORD
PROGRAM MANAGER: G. GARDNER

TITLE: POTENTIOMETRIC SURFACE CONTOURS FROM WELLS SCREENED AT APPROXIMATE ELEVATION MINUS 40 FEET NGVD
RAYMARK – OU2 – GROUNDWATER
REMEDIAL INVESTIGATION
STRATFORD, CONNECTICUT

SOURCE: BASE PLAN, SEE NOTE 6
SCALE: 1" = 200'
DATE: NOVEMBER 9, 2004
PROJ. NO: N4236
DRAWING NO: 3–8
ACFILE NAME: DWG\4236\0900\POTENTIO.DWG
REV: 0

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